



PN01-318-2-8

Russian 3-D Gamma Locator Device

Problem

The INEEL's Surplus Facility Deactivation Project needed to map sources of radioactivity in an access-controlled area at the Power Burst Facility.

Baseline Technology

Remote deployment of a conventional detector for near-object surveys of radiation intensity and generation of source maps.

Innovative Technology

The Russian 3-D Gamma Locator Device is a radiation detector that automatically maps radiation from distant surfaces or objects and transmits the data by radio frequency.

Comparison

This device rapidly maps sources of radiation without requiring multiple survey readings.

Benefits

This device enabled the project to rapidly map sources of radioactivity in an access-controlled area and immediately view the results at a remote location.



DECONTAMINATION, DECOMMISSIONING AND DISMANTLEMENT PROGRAM

Project: ID-OIM-110
Pre FY-2007 Surplus Facility Deactivation Project

OST #2991